



December 13, 2010

Michael LaRocco  
Department of Education  
151 W. Ohio Street  
Indianapolis, IN 46204-2798

Dear Michael LaRocco,

Enclosed you will find information on recall 10V-396/10V-397. This recall involves certain MVP-EF, school and non school model buses manufactured between September 12, 2008 and July 18, 2010. The defect involves the mega fuse junction block. **Customers involved will be notified directly by Thomas.** Customers can contact their dealers to arrange for repairs to be made. After repairs are completed, they will be instructed to complete a postcard verifying that the repair is complete and return it to Thomas.

A printout is enclosed if there are any units in your area involved in this recall. This printout shows the customer (s) name, address, and the Thomas body/VIN number (s) of the unit (s) involved. If there is no printout enclosed, our records indicate that you do not have vehicles in your area involved.

If you have any questions you can contact me at [tracy.sauerbrey@daimler.com](mailto:tracy.sauerbrey@daimler.com)

Sincerely,

  
Tracy Sauerbrey  
Warranty

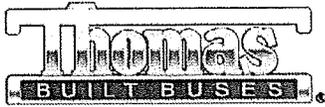
Enclosure

State	Card No	Order No	Bus Type	Customer Name	Dir No	Chassis No	Invoice No	Inv Date	Body No	Vin	Chassis mfg	S/N:	Unit Status
IN	Indiana												
	5562468	22947	MVP-EF	FIRST STUDENT - INDIANAPOLIS	70600	51527	70200	2/3/09	930069	1T88S4E20A1122947	THOS	S O	
	5562467	22952	MVP-EF		70600	51532	70205	2/3/09	930074	1T88S4E24A1122952	THOS	S O	
	5562470	22945	MVP-EF		70600	51525	70199	2/3/09	930066	1T88S4E27A1122945	THOS	S O	
	5562471	22931	MVP-EF		70600	51511	70104	1/29/09	930048	1T88S4E27A1122931	THOS	S O	
	5562472	22928	MVP-EF		70600	51508	70187	2/3/09	930045	1T88S4E27A1122928	THOS	S O	
	5562473	22282	MVP-EF		70600	51446	69281	1/6/09	832166	1T88M4E24A1122282	THOS	S O	
	5562474	22283	MVP-EF		70600	51447	69001	12/16/08	832175	1T88M4E26A1122283	THOS	S O	
	5562475	25951	MVP-EF	CLINTON CENTRAL SCHOOL CORP	15038	51679	74177	5/22/09	930484	1T88S4E26A1125951	THOS	S O	
	5562476	25952	MVP-EF		15038	51680	74083	5/20/09	930490	1T88S4E28A1125952	THOS	S O	
	5562477	25988	MVP-EF	MSD OF MT VERNON	15038	51682	74128	5/21/09	930496	1T88M4E24A1125988	THOS	S O	
	5562478	26764	MVP-EF	EAST WASHINGTON SCH CORP	15038	51715	74588	6/2/09	930545	1T88S4E12A1126764	THOS	S O	
	5562479	26765	MVP-EF		15038	51716	74650	6/3/09	930547	1T88S4E14A1126765	THOS	S O	
	5562480	25942	MVP-EF	SEYMOUR COMMUNITY SCHOOLS	15038	51676	74081	5/20/09	930492	1T88S4E25A1125942	THOS	S O	
	5562481	25943	MVP-EF		15038	51677	74082	5/20/09	930497	1T88S4E27A1125943	THOS	S O	
	5562482	25944	MVP-EF		15038	51678	74176	5/22/09	930499	1T88S4E29A1125944	THOS	S O	
	5562483	24600	MVP-EF	MARK DECKARD	15038	51588	72786	4/17/09	930342	1T88T4E29A1124600	THOS	S O	
	5562484	26012	MVP-EF	SUNMAN DEARBORN COMM SCH	15038	51683	74084	5/20/09	930501	1T88L4E26A1126012	THOS	S O	
	5562482	26113	MVP-EF	CENTRAL NOBLE COMMUNITY SCH	15038	51685	74179	5/22/09	930503	1T88T4E28A1126113	THOS	S O	

State Card No	Order No	Bus Type	Customer Name	Dir No	Chassis No	Invoice No	Inv Date	Body No	Vin	Chassis mtg	S/N:	Unit Status
5562433	25865	MVP-EF	BATESVILLE COMMUNITY SCHOOLS	15038	51675	74079	5/20/09	930486	1T88T4E26A1125865	THOS	S O	O
5562434	28033	MVP-EF	BARTH CONSOL SCHOOL CORP	15038	51876	78349	9/9/09	930917	1T88K4E25A1128033	THOS	S O	O
5562435	30702	MVP-EF	FREMONT COMMUNITY SCHOOLS	15038	52074	81149	11/25/09	931261	1T88S4E28B1130702	THOS	S O	O
5562436	30703	MVP-EF		15038	52075	81204	12/2/09	931269	1T88S4E2XB1130703	THOS	S O	O
5562437	26696	MVP-EF	MISSISSINEW COMMUNITY SCHOOL CORP	15038	51703	74478	5/29/09	930534	1T88S4E10A1126696	THOS	S O	O
5562438	26697	MVP-EF		15038	51704	74647	6/3/09	930538	1T88S4E12A1126697	THOS	S O	O
5562439	22280	MVP-EF	FIRST STUDENT - INDIANAPOLIS	70600	51444	68999	12/16/08	832162	1T88M4E20A1122280	THOS	S O	O
5562440	22281	MVP-EF		70600	51445	69000	12/16/08	832171	1T88M4E22A1122281	THOS	S O	O
5562441	22284	MVP-EF		70600	51448	69282	1/6/09	832177	1T88M4E28A1122284	THOS	S O	O
5562442	22933	MVP-EF		70600	51513	70189	2/3/09	930051	1T88S4E20A1122933	THOS	S O	O
5562443	22950	MVP-EF		70600	51530	70203	2/3/09	930072	1T88S4E20A1122950	THOS	S O	O
5562444	22949	MVP-EF		70600	51529	70202	2/3/09	930071	1T88S4E24A1122949	THOS	S O	O
5562445	22935	MVP-EF		70600	51515	70191	2/3/09	930053	1T88S4E24A1122935	THOS	S O	O
5562446	22943	MVP-EF		70600	51523	70233	2/4/09	930064	1T88S4E23A1122943	THOS	S O	O
5562447	22926	MVP-EF		70600	51506	70100	1/29/09	930042	1T88S4E23A1122926	THOS	S O	O
5562448	22951	MVP-EF		70600	51531	70204	2/3/09	930073	1T88S4E22A1122951	THOS	S O	O
5562449	22948	MVP-EF		70600	51528	70201	2/3/09	930070	1T88S4E22A1122948	THOS	S O	O
5562450	22934	MVP-EF		70600	51514	70190	2/3/09	930052	1T88S4E22A1122934	THOS	S O	O
5562451	22956	MVP-EF		70600	51536	70236	2/4/09	930080	1T88S4E21A1122956	THOS	S O	O

State Card No	Order No	Bus Type	Customer Name	Dtr No	Chassis No	Invoice No	Inv Date	Body No	Vin	Chassis mfg	S/N:	Unit Status
5562452	22939	MVP-EF	FIRST STUDENT - INDIANAPOLIS	<u>70600</u>	51519	70194	2/3/09	930058	1T88S4E21A1122939	THOS	S O	O
5562453	22941	MVP-EF		<u>70600</u>	51521	70196	2/3/09	930062	1T88S4E2XA1122941	THOS	S O	O
5562454	22938	MVP-EF		<u>70600</u>	51518	70193	2/3/09	930057	1T88S4E2XA1122938	THOS	S O	O
5562455	22946	MVP-EF		<u>70600</u>	51526	70298	2/6/09	930067	1T88S4E29A1122946	THOS	S O	O
5562456	22932	MVP-EF		<u>70600</u>	51512	70188	2/3/09	930049	1T88S4E29A1122932	THOS	S O	O
5562457	22929	MVP-EF		<u>70600</u>	51509	70102	1/29/09	930046	1T88S4E29A1122929	THOS	S O	O
5562458	21666	MVP-EF		<u>70600</u>	51380	69216	1/6/09	832176	1T88S4E29A1121666	THOS	S O	O
5562459	22940	MVP-EF		<u>70600</u>	51520	70195	2/3/09	930059	1T88S4E28A1122940	THOS	S O	O
5562460	22937	MVP-EF		<u>70600</u>	51517	70297	2/6/09	930056	1T88S4E28A1122937	THOS	S O	O
5562461	21665	MVP-EF		<u>70600</u>	51379	69074	12/18/08	832155	1T88S4E27A1121665	THOS	S O	O
5562462	22953	MVP-EF		<u>70600</u>	51533	70234	2/4/09	930075	1T88S4E26A1122953	THOS	S O	O
5562463	22936	MVP-EF		<u>70600</u>	51516	70192	2/3/09	930055	1T88S4E26A1122936	THOS	S O	O
5562464	22944	MVP-EF		<u>70600</u>	51524	70198	2/3/09	930065	1T88S4E25A1122944	THOS	S O	O
5562465	22930	MVP-EF		<u>70600</u>	51510	70103	1/29/09	930047	1T88S4E25A1122930	THOS	S O	O
5562466	22927	MVP-EF		<u>70600</u>	51507	70101	1/29/09	930043	1T88S4E25A1122927	THOS	S O	O
5562469	21667	MVP-EF		<u>70600</u>	51381	69217	1/6/09	832186	1T88S4E20A1121667	THOS	S O	O

Number for State: 53



## RECALL #10V-396 & 10V-397

MODEL: MVP-EF

SUBJECT: REWORK MEGA FUSE JUNCTION BLOCK ENCLOSURE

PAGE: 1 OF 8

### **IMPORTANT: READ ENTIRE PROCEDURE BEFORE BEGINNING.**

1. Check the tires and be sure the ignition key is in the "Off" position.
2. Turn the power disconnect switch to the "Off" position and disconnect the Negative battery Cable from the batteries.
3. Locate the Mega Fuse Junction Block (MFJB) mounted to the back of the Disconnect Switch enclosure. **Figures 1 & 2**

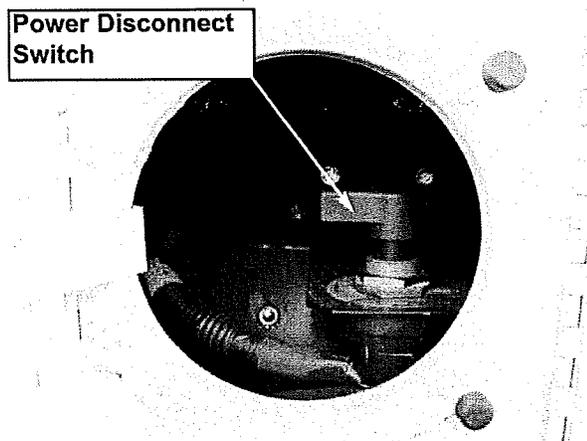


Figure 1

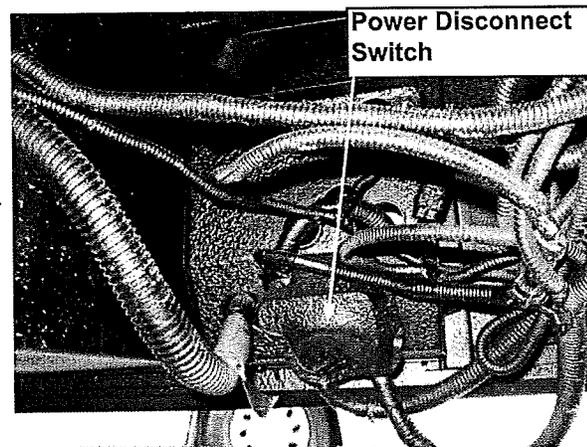


Figure 2

4. Cut the tie wraps that bundle power cables and Clean Power fuse harness at the MFJB.
5. Disconnect the Main Body and Chassis power cables, and the Clean Power (ECM/TCU) harness from the MFJB.
6. Inspect the terminals on the Main Body and Chassis power cables, and the Clean Power harness. If they show signs of damage or corrosion that can not be removed by a simple cleaning, remove and replace the terminals with the ones provided in the kit.
7. Remove the screws mounting the clean power fuses to the enclosure.
8. Remove the four (4) screws securing the enclosure to the mounting bracket. Support the enclosure while lowering it to gain access to the front. **Figure 3**

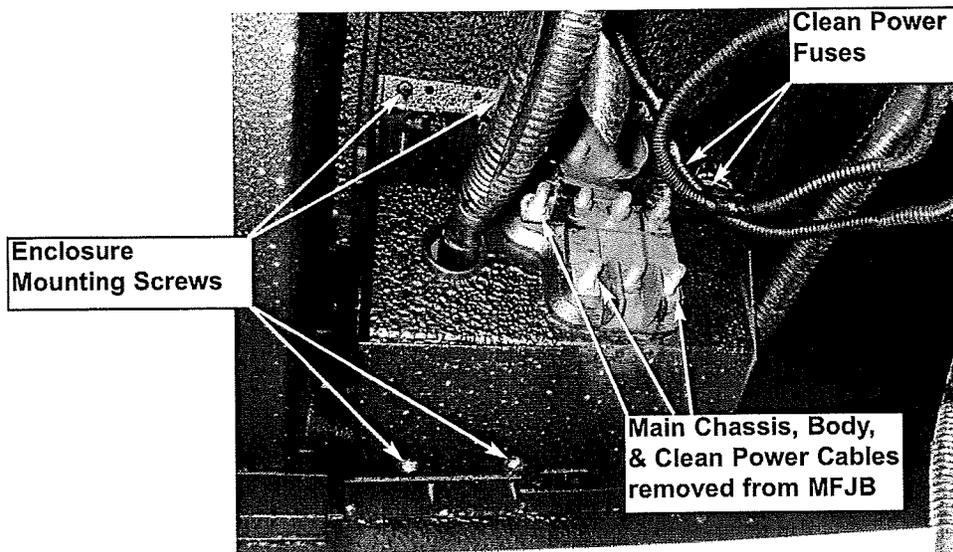


Figure 3

9. Unbolt the Disconnect Switch mounting bracket from the enclosure. This will allow the Main Battery and Starter cables to be disconnected from the Disconnect Switch. Retain the Disconnect Switch bracket assembly and terminal hardware for reuse in the new enclosure. **Figure 4**

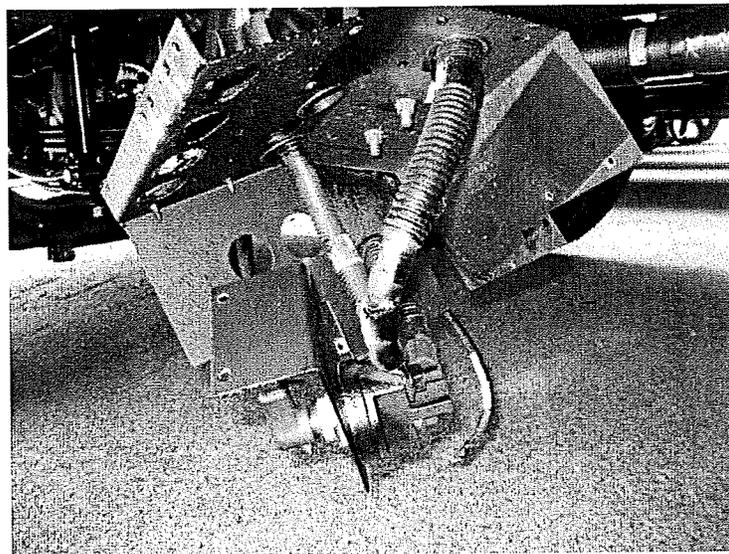
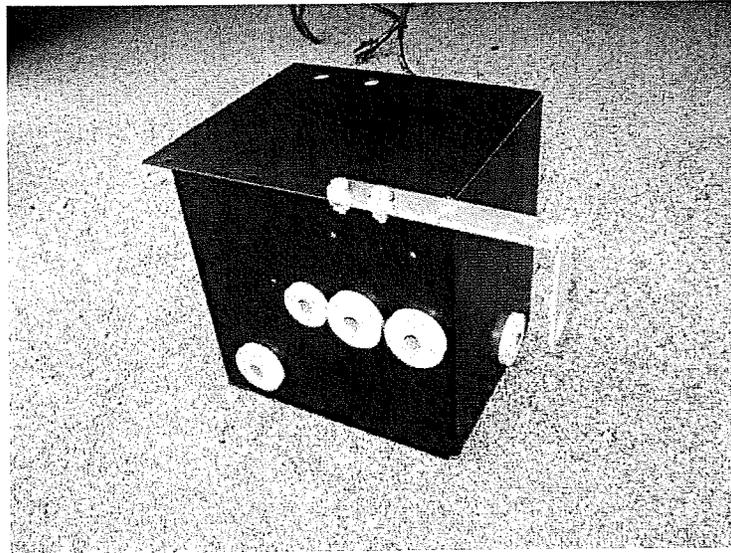


Figure 4

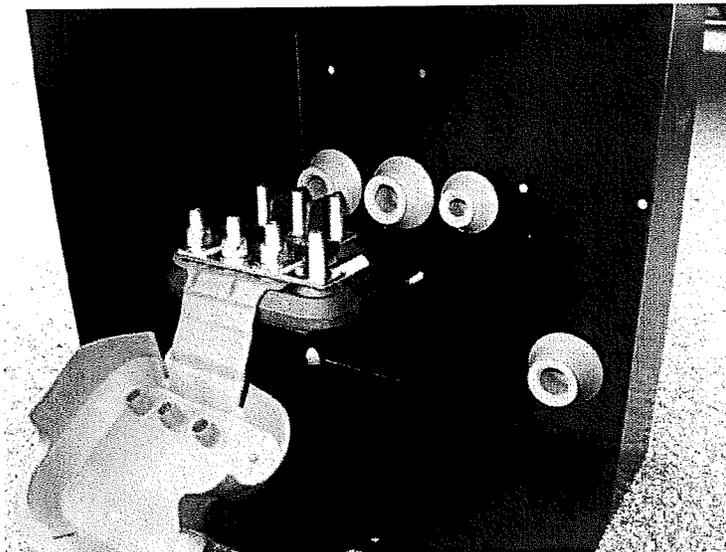
10. With all the cables disconnected, the old enclosure, MFJB, and power jumper cable can be removed and discarded.
11. Remove the knock-out from the four (4) 40.2mm Grommets, TBB 160568 and one (1) 32.2mm Grommet, TBB 160567. Insert the grommets into the new enclosure, TBB 168247.

12. Bolt the Cable Support Bracket, 23-09130-029 to the flange at the top of the enclosure using four (4) Flat Washers, TBB 61370348, two (2) 1/4-20 Bolts, TBB 61370802, and two (2) 1/4-20 Lock Nuts, TBB 29940006. Leave the 1/4-20 nuts loose to ensure the enclosure mounting holes can be aligned during installation. **Figure 5**



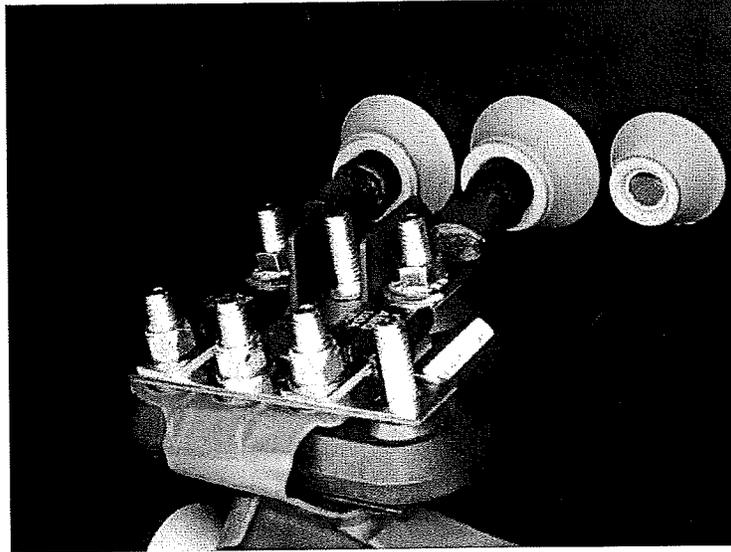
**Figure 5**

13. Move the center mega fuse to the third position on the MFJB, TBB 148338. Attach the MFJB to its Mounting Bracket, TBB 168248 using two (2) 5/16-18 Toothed Nuts, TBB 69004003 and torque to 8-10 ft-lbs. Install the assembly in the enclosure using two (2) 1/4-20 Thread Cutting Bolts, TBB 61370975. **Figure 6**



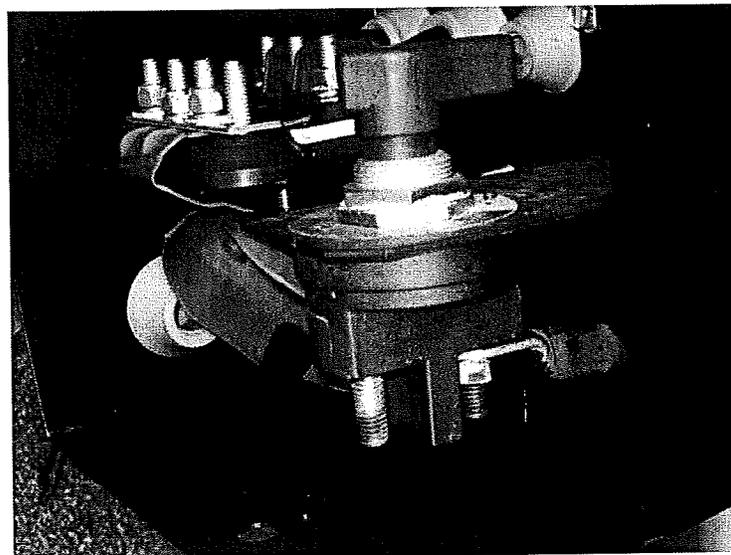
**Figure 6**

14. Position the enclosure just below its mounting bracket under the bus. Feed the Main Chassis and Body power cables through the two upper grommets aligned with the mega fuses. Secure the cables using two (2) 5/16-18 Toothed Nuts, TBB 69004003 and torque to 8-10 ft-lbs. **Figure 7**



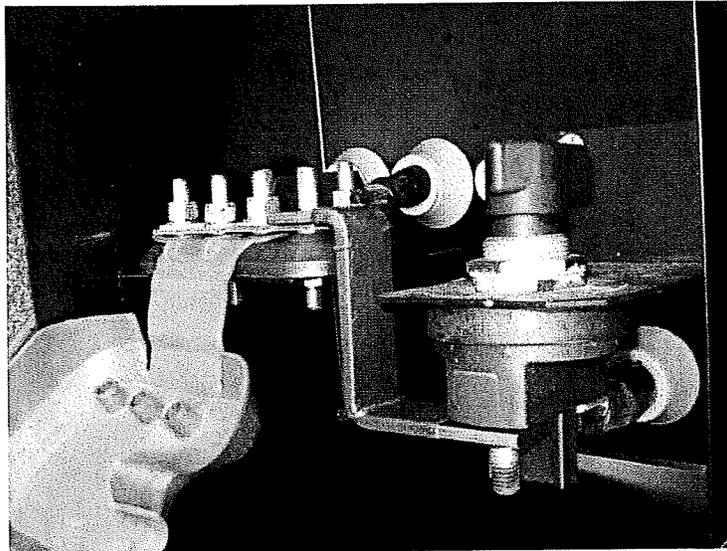
**Figure 7**

15. Feed the Main Battery cable through the lowest grommet on the back of the enclosure. Connect the Main Battery cable to the rear terminal of the Disconnect Switch assembly using the existing hardware and torque to 11-15 ft-lbs. Be sure that the terminal offset is positioned away from the Disconnect Switch. This will align the Main Battery cable with the grommet.
16. Once the Main Battery cable is connected to the Disconnect Switch assembly, mount the Disconnect Switch assembly into the enclosure using two (2) 1/4-20 Thread Cutting Bolts, TBB 61370975. Leave the mounting bolts loose & backed out by 1/4 inch. **Figure 8**



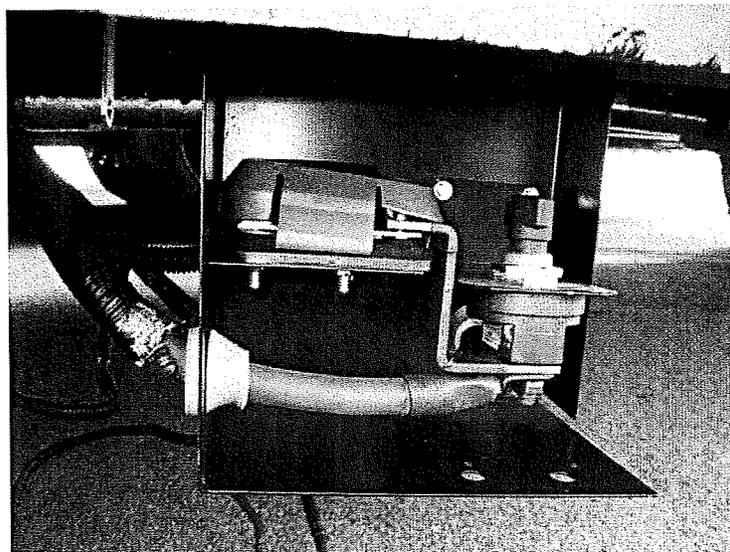
**Figure 8**

17. Install the short leg of the Buss Bar, TBB 168570 over the input stud of the MFJB. With the Disconnect Switch assembly loose, lift the assembly so the buss bar can be installed over the front terminal stud of the disconnect switch.
18. Tighten the Disconnect Switch mount bracket bolts. **Figure 9**



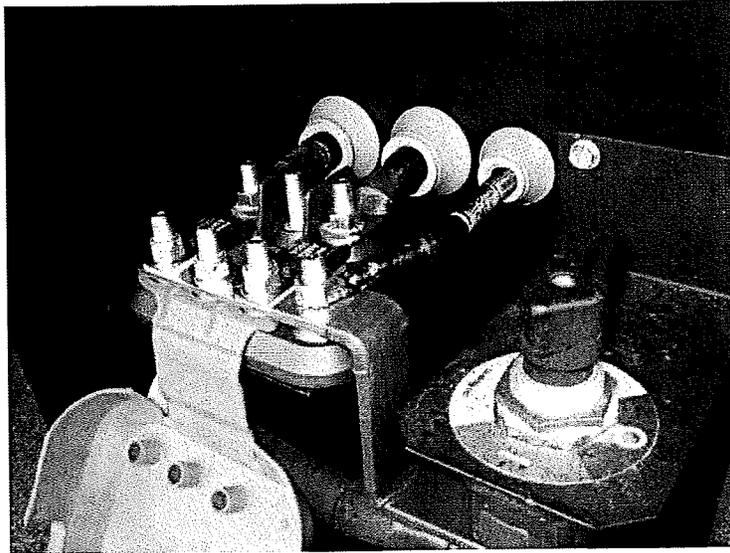
**Figure 9**

19. Remove the tape and pull back about eight (8) inches of loom from the Starter power cable. Feed the Starter power cable through the front side grommet in the enclosure. Install the Starter power cable on the front terminal of the Disconnect Switch (on top of the buss bar) and secure using the existing hardware and torque to 11-15 ft-lbs. Cut off the excess loom from the Starter power cable just past the grommet. **Figure 10**



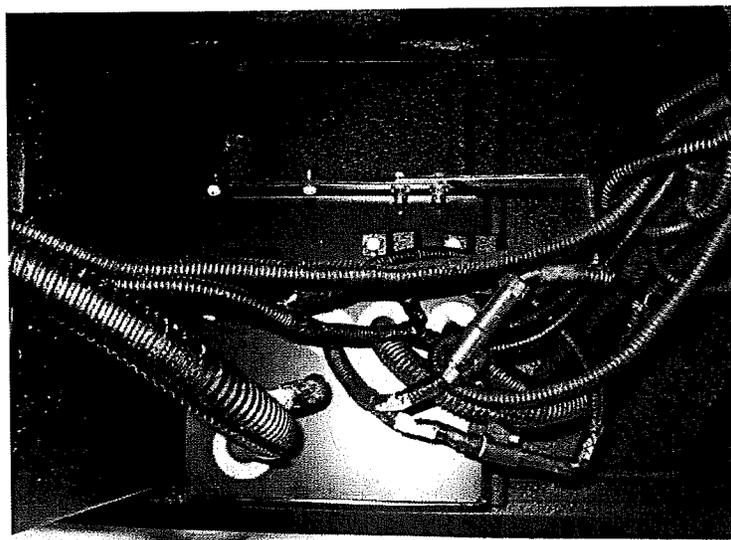
**Figure 10**

20. Feed the Clean power harness through the small grommet on the back of the enclosure. Install the Clean power cable over the MFJB input terminal (on top of the buss bar) and secure using a 5/16-18 Toothed Nut, TBB 69004003 and torque to 8-10 ft-lbs. **Figure 11**



**Figure 11**

21. Move the enclosure up into the existing mount bracket. When positioning the enclosure, the top of the enclosure may be positioned inside or outside of the top of the mounting bracket, either way is acceptable. Align the mounting holes in the enclosure and mounting bracket and secure using four (4) Pan Head Self-tapping Screws, TBB 69003249. **Figure 12**



**Figure 12**

22. Tighten the cable support bracket mounting hardware. Secure the Clean Power fuse housings to the enclosure using one (1) Pan Head Self-tapping Screw, TBB 69003249 for each housing.
23. Use one (1) Tie Wrap, TBB 61371374 and one (1) Saddle Mount, TBB 61480921 to secure the Main Body, Chassis, and Starter power cables to the cable support bracket. The bends of the cables should be natural and apply No force or tension to the cables. **Figure 13**

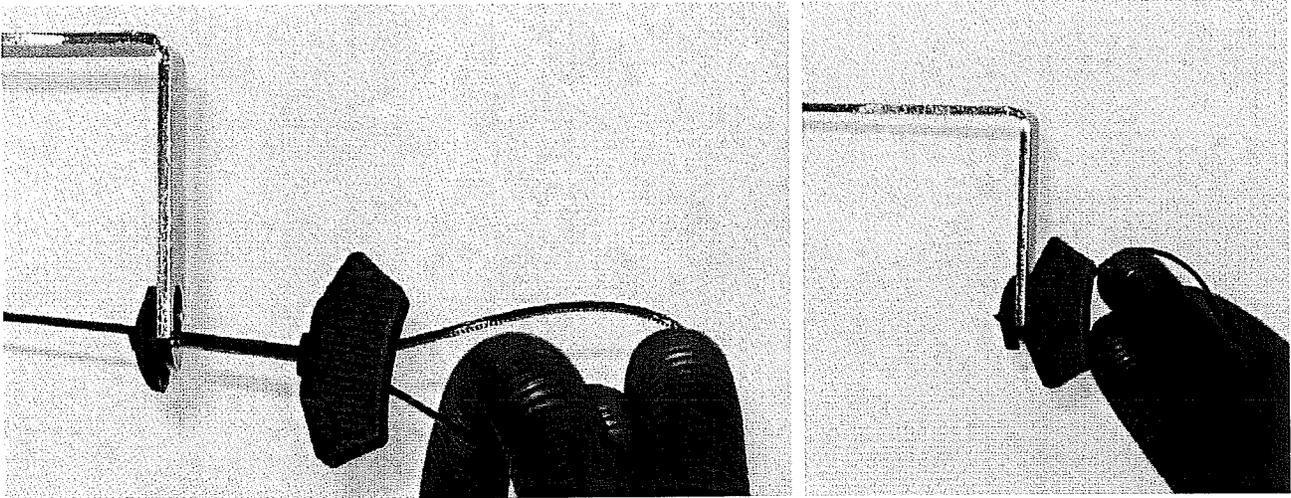


Figure 13

24. Use two (2) Tie Wraps, TBB 65001018 to bundle and secure the Clean power harness and Power Cables.
25. Reconnect the batteries and remove the tire chocks.
25. Test the unit for correct operation.

**MATERIALS REQUIRED: PARTS REQUIRED: TBB 169538 – KIT, MFJB ELECTRICAL BOX, MVP-EF**

<u>PART NUMBER</u>	<u>QTY.</u>	<u>DESCRIPTION</u>
TBB 169538	1	KIT, RECALL #10V-396 & 10V-397
<i>CONSISTING OF:</i>		
TBB 168247	1	MFJB AND PWR DISCONNECT SWITCH BOX
TBB 168248	1	MFJB MOUNTING BRACKET
23-09130-029	1	MFJB - CABLE SUPPORT BRACKET
TBB 168570	1	POWER SUPPLY BUSS BAR, MFJB
TBB 160567	1	GROMMET - EPDM 32.2 HOLE
TBB 160568	4	GROMMET - EPDM 40.2 HOLE
TBB 148338	1	MFJB - ASSEMBLY WITH TWO 150 AMP MEGA FUSES
TBB 52000183	2	TERMINAL - 5/16" STUD 2/0 AWG. #K972
TBB 22203365	1	TERMINAL - RING, 5/16" STUD, 12-10 AWG
TBB 61370975	4	1/4 - 20 X 3/4 HEX HEAD , SELF-TAP
TBB 69003249	6	No. 12 X .63 L PAN HEAD, TAPPING
TBB 61370348	4	FLAT WASHER, SAE GRADE 8, #14
TBB 61370802	2	SCREW - CAP, HEX, 1/4-20 UNC
TBB 29940006	2	LOCKNUT, 1/4-20, HEX, GRADE B
TBB 69004003	5	NUT, 5/16 - 18, TOOTHED CONICAL
TBB 65001018	2	TIES - CABLE, #08403 BLACK, 14 1/2"
TBB 61371374	1	Button Head Tie Wrap, 14 3/4"
TBB 61480921	1	Saddle Mount, Button Head Tie Wrap